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10/539868

RAW SEQUENCE LISTING

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Application Serial Number: 10/539,868
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DATE: 02/16/2006

PATENT APPLICATION: US/10/539,868

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3 <110> APPLICANT: Slamon, Dennis J.
4     Anderson, Lee A.
5     Ginther, Charles L.
6     The Regents of the University of California
8 <120> TITLE OF INVENTION: Amplified and Overexpressed Gene in Colorectal Cancers
10 <130> FILE REFERENCE: 023070-129910US
12 <140> CURRENT APPLICATION NUMBER: US 10/539,868
13 <141> CURRENT FILING DATE: 2005-06-16
15 <150> PRIOR APPLICATION NUMBER: US 10/346,367
16 <151> PRIOR FILING DATE: 2003-01-15
18 <150> PRIOR APPLICATION NUMBER: WO PCT/US04/01153
19 <151> PRIOR FILING DATE: 2004-01-15
21 <160> NUMBER OF SEQ ID NOS: 28
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1605
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
30 <220> FEATURE:
31 <223> OTHER INFORMATION: 26#77 protein
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56 gatcttgcta ccagcaataa atcaagtagg ccaagtgaaa ctgggcttta aaaaggatgg 1380
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58 tgggaggagc caggatcctt gttggtctag ctaaatactg ttaggggagt gtgccccatc 1500
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69 <223> OTHER INFORMATION: 26#77 protein

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79           35           40           45
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82   50           55           60
84 Phe Leu Leu Asp Lys Ser Ala Glu Lys Ala Leu Gly Lys Ala Ala Ser
85   65           70           75           80
87 His Ile Lys Ser Ile Lys Asn Val Thr Glu Leu Lys Leu Ser Asp Asn
88           85           90           95
90 Pro Ala Trp Glu Gly Asp Lys Gly Asn Thr Lys Gly Asp Lys His Asp
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93 Asp Leu Gln Arg Ala Arg Phe Ile Cys Pro Val Val Gly Leu Glu Met
94           115          120          125
96 Asn Gly Arg His Arg Phe Cys Phe Leu Arg Cys Cys Gly Cys Val Phe
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100 145          150          155          160
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103           165          170          175
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109           195          200          205
111 Ser Lys Pro Asp Val Ser Glu Glu Ala Pro Gly Pro Ser Lys Val Lys
112           210          215          220
114 Thr Gly Lys Pro Glu Glu Ala Ser Leu Asp Ser Arg Glu Lys Lys Thr
115 225          230          235          240
117 Asn Leu Ala Pro Lys Ser Thr Ala Met Asn Glu Ser Ser Ser Gly Lys
118           245          250          255
120 Ala Gly Lys Pro Pro Cys Gly Ala Thr Lys Arg Ser Ile Ala Asp Ser
121           260          265          270
123 Glu Glu Ser Glu Ala Tyr Lys Ser Leu Phe Thr Thr His Ser Ser Ala
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138 <220> FEATURE:
139 <223> OTHER INFORMATION: copine 1 (CPNE 1, CPN1) protein
141 <400> SEQUENCE: 3
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144 gaaaagatag atatgattcg aaaaagactg cagaacttca gctatgacca gagggaaatg 180
145 atactaaatc cagaggggga tgtcaactct gccaaagtct gtgcccacat aacaaatatt 240
146 ccattcagca ttacaaaagat ggatgttctt cagttcctag aaggaatccc agtggatgaa 300
147 aatgctgtac atgttcttgt tgataacaat gggcaaggtc taggacaggc attggttcag 360
148 tttaaaaatg aagatgatgc acatggccca ctgcgtgacc ttggttcagc tgtccatttc 420
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177 tttgatactt ttatacttgt ttctgctttt gctgctcttg atcccacctt tgctcctgac 2160
178 aaccctcatt caataaagac cagtgaagac caaaaaaaaa aaaaaaaaaa a 2211
181 <210> SEQ ID NO: 4
182 <211> LENGTH: 537

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183 <212> TYPE: PRT
184 <213> ORGANISM: Homo sapiens
186 <220> FEATURE:
187 <223> OTHER INFORMATION: copine 1 (CPNE 1, CPN1) protein
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194      20              25              30
196 Leu Gln Asp Val Gly Gly Gly Ser Trp Ala Glu Leu Gly Arg Thr Glu
197      35              40              45
199 Arg Val Arg Asn Cys Ser Ser Pro Glu Phe Ser Lys Thr Leu Gln Leu
200      50              55              60
202 Glu Tyr Arg Phe Glu Thr Val Gln Lys Leu Arg Phe Gly Ile Tyr Asp
203      65              70              75              80
205 Ile Asp Asn Lys Thr Pro Glu Leu Arg Asp Asp Phe Leu Gly Gly
206      85              90              95
208 Ala Glu Cys Ser Leu Gly Gln Ile Val Ser Ser Gln Val Leu Thr Leu
209      100             105             110
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212      115             120             125
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215      130             135             140
217 Glu Ala Arg Asn Leu Asp Lys Lys Asp Phe Leu Gly Lys Ser Asp Pro
218      145             150             155             160
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221      165             170             175
223 Arg Ser Glu Val Ile Lys Asn Asn Leu Asn Pro Thr Trp Lys Arg Phe
224      180             185             190
226 Ser Val Pro Val Gln His Phe Cys Gly Gly Asn Pro Ser Thr Pro Ile
227      195             200             205
229 Gln Val Gln Cys Ser Asp Tyr Asp Ser Asp Gly Ser His Asp Leu Ile
230      210             215             220
232 Gly Thr Phe His Thr Ser Leu Ala Gln Leu Gln Ala Val Pro Ala Glu
233      225             230             235             240
235 Phe Glu Cys Ile His Pro Glu Lys Gln Gln Lys Lys Lys Ser Tyr Lys
236      245             250             255
238 Asn Ser Gly Thr Ile Arg Val Lys Ile Cys Arg Val Glu Thr Glu Tyr
239      260             265             270
241 Ser Phe Leu Asp Tyr Val Met Gly Gly Cys Gln Ile Asn Phe Thr Val
242      275             280             285
244 Gly Val Asp Phe Thr Gly Ser Asn Gly Asp Pro Ser Ser Pro Asp Ser
245      290             295             300
247 Leu His Tyr Leu Ser Pro Thr Gly Val Asn Glu Tyr Leu Met Ala Leu
248      305             310             315             320
250 Trp Ser Val Gly Ser Val Val Gln Asp Tyr Asp Ser Asp Lys Leu Phe
251      325             330             335
253 Pro Ala Phe Gly Phe Gly Ala Gln Val Pro Pro Asp Trp Gln Val Ser
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 260 370 375 380
 262 Leu Tyr Gly Pro Thr Asn Phe Ala Pro Ile Ile Asn His Val Ala Arg
 263 385 390 395 400
 265 Phe Ala Ala Gln Ala Ala His Gln Gly Thr Ala Ser Gln Tyr Phe Met
 266 405 410 415
 268 Leu Leu Leu Leu Thr Asp Gly Ala Val Thr Asp Val Glu Ala Thr Arg
 269 420 425 430
 271 Glu Ala Val Val Arg Ala Ser Asn Leu Pro Met Ser Val Ile Ile Val
 272 435 440 445
 274 Gly Val Gly Gly Ala Asp Phe Glu Ala Met Glu Gln Leu Asp Ala Asp
 275 450 455 460
 277 Gly Gly Pro Leu His Thr Arg Ser Gly Gln Ala Ala Arg Asp Ile
 278 465 470 475 480
 280 Val Gln Phe Val Pro Tyr Arg Arg Phe Gln Asn Ala Pro Arg Glu Ala
 281 485 490 495
 282 Leu Ala Gln Thr Val Leu Ala Glu Val Pro Thr Gln Leu Val Ser Tyr
 283 500 505 510
 286 Phe Arg Ala Gln Gly Trp Ala Pro Leu Lys Pro Leu Pro Pro Ser Ala
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 289 Lys Asp Pro Ala Gln Ala Pro Gln Ala
 290 530 535

293 <210> SEQ ID NO: 5

294 <211> LENGTH: 1114

295 <212> TYPE: DNA

296 <213> ORGANISM: Homo sapiens

298 <220> FEATURE:

299 <223> OTHER INFORMATION: integrin B4 binding protein (ITGB4BP)

301 <400> SEQUENCE: 5

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VERIFICATION SUMMARY

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